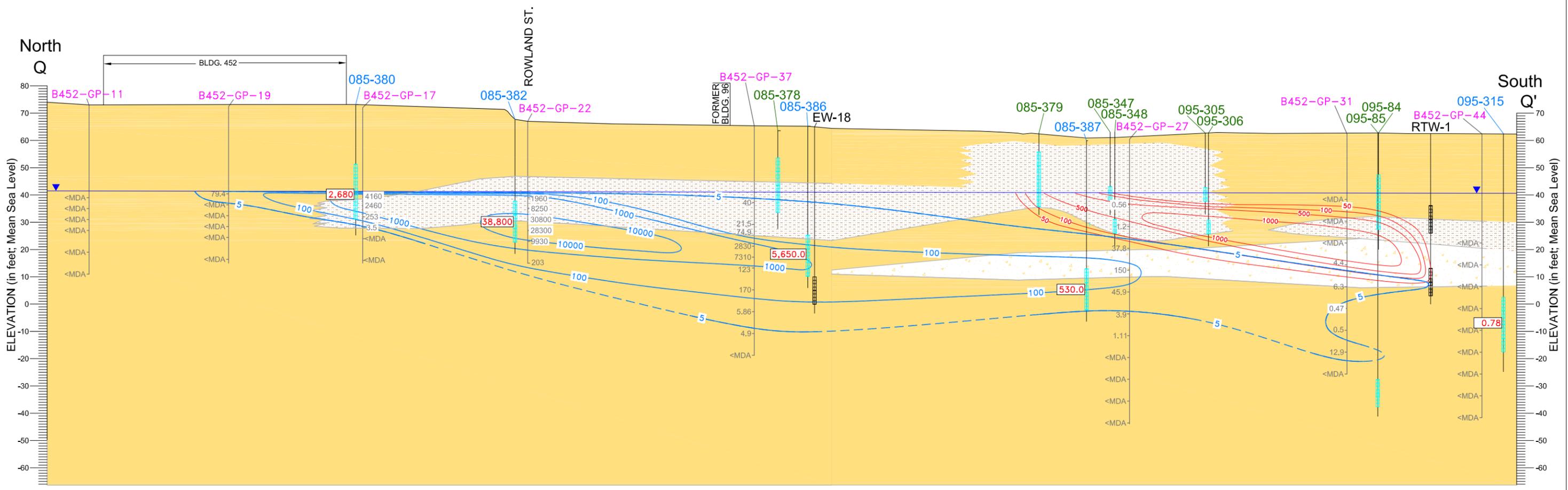


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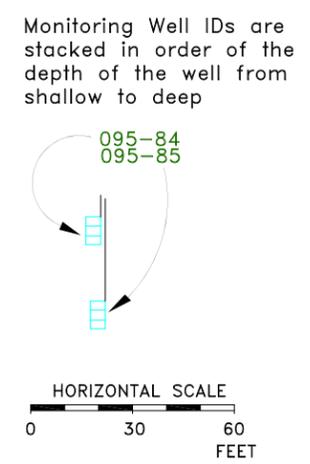


LEGEND

- Upper Glacial aquifer
- Fine to coarse sand, trace to little silt and/or fine to medium gravel.
 - Very fine sand and/or silt, with silt and sand lenses interbedded.
 - Coarse to very coarse sand, with or without gravel or gravel with sand.
 - 085-382 BNL Monitoring Well ID
 - 38,800 Freon-11 Concentration (µg/L)

- TVOC Contour (µg/L) (Dashed Where Inferred)
- Freon-11 Contour (µg/L) (Dashed Where Inferred)
- RTW-1 Recirculation Well
- Monitoring Well Screen
- Extraction Well Screen With Blank
- B452-GP-37 Temporary well location with Freon 11 results (in µg/L), samples obtained during second quarter 2011.

- Water Table As Of November 7-10, 2011
- TVOC - Total Volatile Organic Compound
- µg/L - Micrograms Per Liter
- PCE - Tetrachloroethylene



- NOTES:
- 1) GEOLOGIC INFORMATION SHOWN IS BASED ON LITHOLOGIC DATA COLLECTED JUNE 2004 FOR GP BORING DESIGNATIONS AND NOV. 2004 FOR S BORING DESIGNATIONS SUPPLEMENTED WITH GEOLOGIC DATA FROM 2011 FREON-11 MONITORING WELL INSTALLATIONS.
 - 2) TVOC PLUME DISTRIBUTION BASED ON FOURTH QUARTER 2011 BLDG 96 SAMPLING EVENT.
 - 3) FREON 11 PLUME DISTRIBUTION BASED ON SECOND QUARTER 2011 VERTICAL PROFILE BORING SAMPLING EVENT AND FOURTH QUARTER MONITORING WELL SAMPLING EVENT.
 - 4) CONTOUR INTERVAL IS AS SHOWN.
 - 5) BNL WELL ID COLOR CORRESPONDS TO LONG-TERM MONITORING PROGRAM WELL LOCATION MAP.



TITLE: FACILITY MONITORING PROGRAM, BUILDING 452 AREA FREON-11 HYDROGEOLOGIC CROSS SECTION (Q-Q')
2011 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 1.5:1	DATE: 09/07/12	PROJECT NO.: -
CHKD: JEB	APPD: DEP	REV.: -	NOTES: -
FIGURE NO.:		4-28	